

What is claimed is:

1. A control valve, comprising:
a valve body having an inlet, an outlet, and a chamber between the inlet and the outlet;
a valve plug slidably disposed within the valve body;
a valve stem connected to the valve plug; and
a seat ring assembly disposed within the chamber, the seat ring assembly having a first end and a second end and being threadably fastened to the valve body, the seat ring assembly further including a bore for receiving the valve plug in the first end and a bushing disposed within the first end;
wherein the valve plug slidably engages the bushing and remains substantially concentric with a valve seat disposed at the an interior of the second end.
2. The control valve of claim 1, wherein the control valve is unbalanced.
3. The control valve of claim 1, wherein the seat ring assembly is fastened to the valve body without any gaskets therebetween.
4. The control valve of claim 1, wherein the seat ring assembly includes at least one aperture through a cylindrical wall thereof.
5. The control valve of claim 1, wherein the seat ring assembly includes a plurality apertures through a cylindrical wall thereof in a predetermined pattern.

6. The control valve of claim 5, wherein the plurality of apertures are provided in predetermined shapes.

7. The control valve of claim 5, wherein the plurality of apertures are provided as a plurality of drilled holes.

8. The control valve of claim 1, wherein the valve plug includes a substantially cylindrical base from which a nose extends, the nose being shaped so as to provide desired flow characteristics.

9. A seat ring assembly for a valve, comprising:
a housing having a bore, the housing having at least one aperture therein, the housing having a first end and a second end;
a valve seat formed on an interior surface of the second end;
a plurality of threads formed on an exterior surface of the second end, the seat ring assembly being integrally formed as one piece wherein a diameter of the first end is less than a diameter of the second end thereby forming a guide surface within the seat ring assembly.

10. The seat ring assembly and seat ring assembly of claim 9, wherein the diameter of the first end is reduced by positioning a bushing within the first end.

11. The seat ring assembly and seat ring assembly of claim 9, the seat ring assembly including a plurality of apertures.

12. A method of assembling a control valve, comprising:
inserting a integrated post-guided seat ring assembly into a control valve body;
threadably attaching the integrated post-guided seat ring assembly to the
control valve body; and
securing a bonnet assembly to the control valve body.
13. The method of claim 12, wherein the control valve is an unbalanced
globe valve.
14. The method of claim 12, wherein the control valve is post-guided.
15. The method of claim 12, wherein the bonnet assembly is secured to the
control valve body using threaded fasteners.